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(54) Title: ANTI-MICROBIAL AGENTS DERIVED FROM METHIONINE SULFOXIMINE ANALOGUES

(57) Abstract: Novel antimicrobial compositions containing analogues of L-methionine-SR-sulfoximine (MSO) that are effective in treating intracellular pathogen infections are provided. Specifically, the compositions provided are MSO analogues having superior antimicrobial activity with significantly less toxicity as compared to MSO. These MSO analogues are suitable for use in treating infection in animals including primates, cows, pigs, horses, rabbits, mice, rats, cats, and dogs. Moreover, the MSO analogues are ideally suited for treating infections caused by the genus *Mycobacterium*. Additionally, methods for using the novel MSO analogues are also provided.

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